

Liggins, Shirley

From: Walker, Chris
Sent: Thursday, May 19, 2011 8:38 AM
To: Walker, Chris
Subject: FW: Erwin Earthwork
Attachments: 2011-03-23 Earthwork exhibit.pdf

From: Derks, Bill
To: Collins, Benjamin L; McFern, Arn S
Cc: Akers, Ryan
Sent: Wed Mar 23 11:52:07 2011
Subject: Earthwork
Ben / Arn –

Attached is an exhibit shown the latest surface-to-surface earthwork calc's without adjustments. The balance is 18,263 cy of fill required. But, we do need to consider the following:

- The first level building (FFE 324) is shown as foundation walls with a slab. Thus the building is all fill. It accounts for about 5500 cy.
- The underground stormwater facility will provide around 1800 cy of material.
- We need to consider what material might be unsuitable for re-use.
- Pavement thickness / slab thickness / foundation excavation may be balanced out by topsoil haul off.

I don't know that there is a great deal we can do to change the balance. I think we just need to discuss what to consider as assumptions for unsuitable material and other adjustments/accommodations that impact the calculation and do a final detailed take-off.

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Volume
Base Surface EG-from-Summit-Contours
Comparison Surface PG1
Cut volume (unadjusted) 3075.10 Cu. Yd.
Fill volume (unadjusted) 21338.19 Cu. Yd.
Net volume (unadjusted) 18263.09 Cu. Yd.<Fill>